

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
 Data File : BF117081.D
 Acq On : 17 Sep 2019 00:38
 Operator : HP/JU
 Sample : K4863-13
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 17 05:17:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

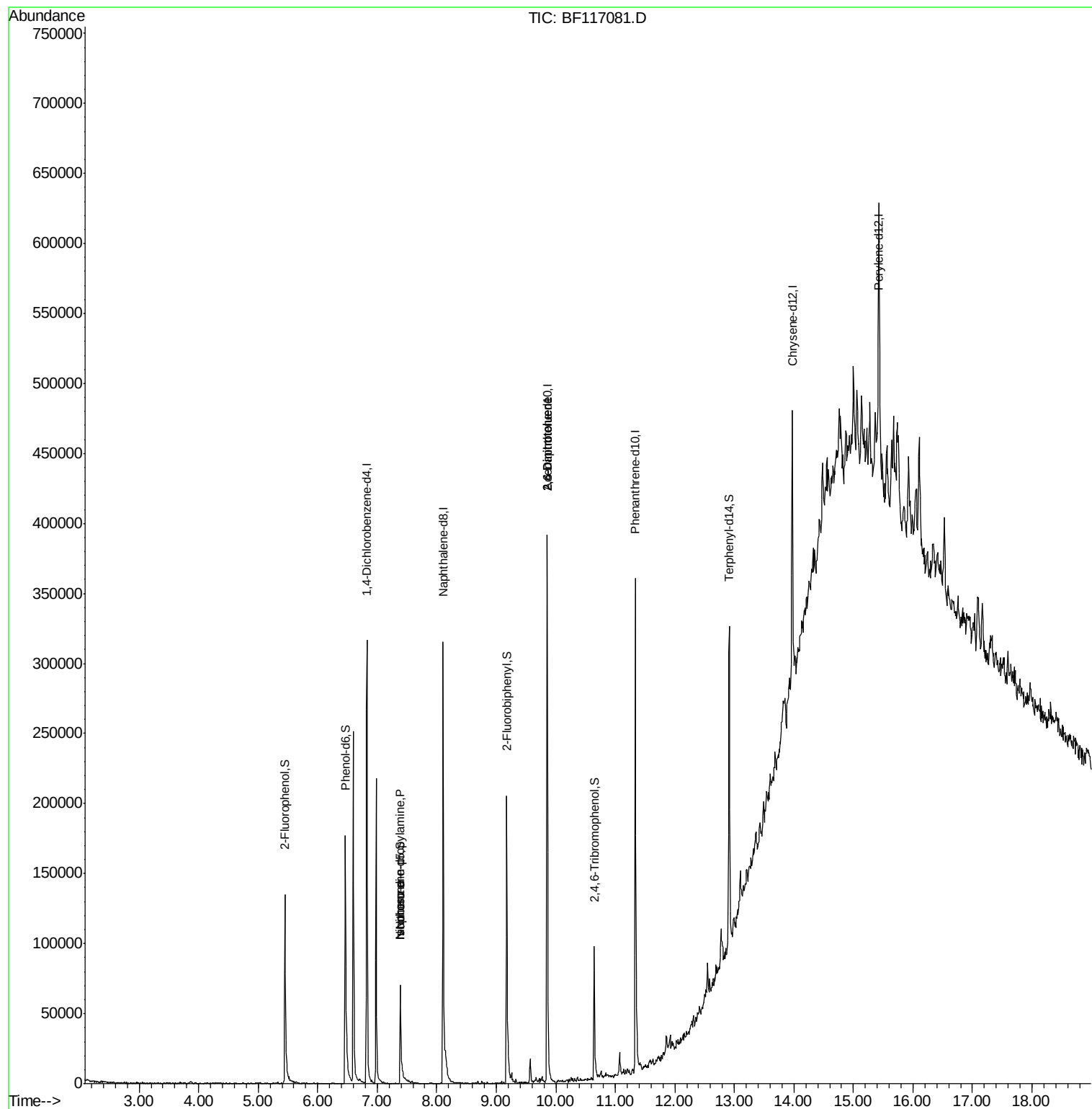
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	55858	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	212657	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	93727	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	150348	20.00	ng	0.00
76) Chrysene-d12	13.97	240	71844	20.00	ng	0.00
87) Perylene-d12	15.43	264	62232	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	63429	17.73	ng	0.01
7) Phenol-d6	6.46	99	90023	19.47	ng	0.00
23) Nitrobenzene-d5	7.39	82	45623	11.27	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	14386	18.36	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	97621	16.29	ng	0.00
79) Terphenyl-d14	12.92	244	82144	21.37	ng	0.00
Target Compounds						
9) Benzaldehyde	6.60	77	1585	Below Cal		Qvalue # 74
19) n-Nitroso-di-n-propylamine	7.39	70	5928	2.105 ng	#	82
25) Isophorone	7.39	82	45623	6.366 ng	#	66
51) 2,6-Dinitrotoluene	9.86	165	12162	8.998 ng	#	24
57) 2,4-Dinitrotoluene	9.86	165	12162	6.932 ng	#	18

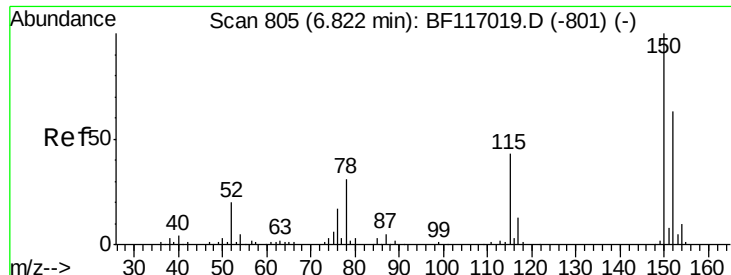
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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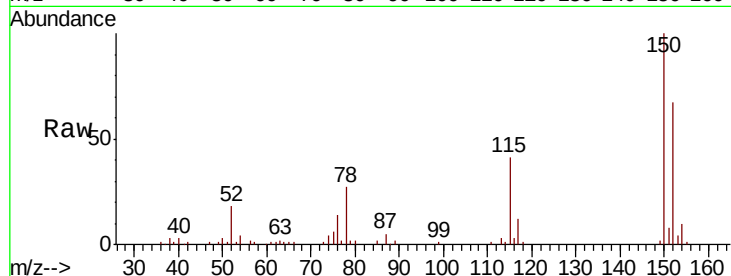


#1

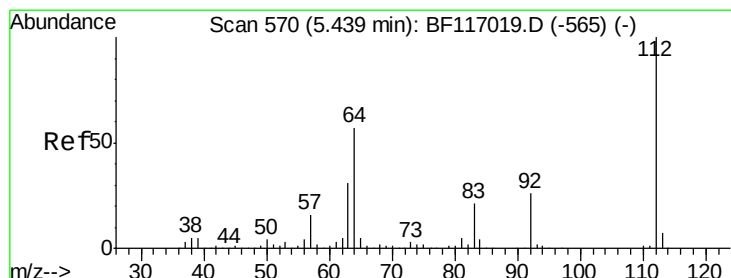
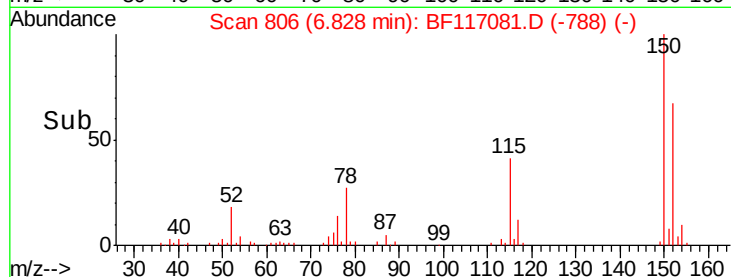
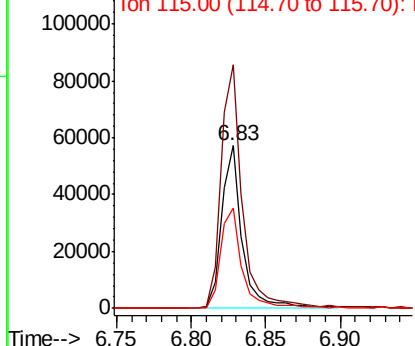
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF117081.D
Acq: 17 Sep 2019 00:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 55858
Ion Ratio Lower Upper
152 100
150 149.7 127.5 191.3
115 61.3 55.0 82.4



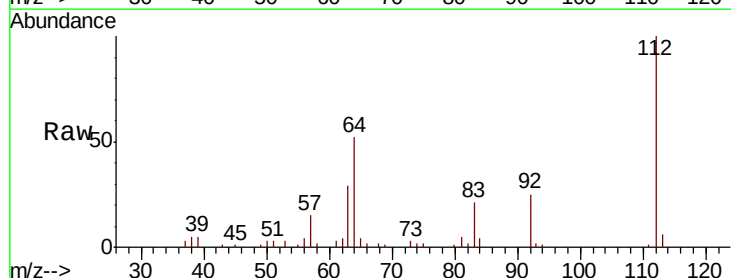
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



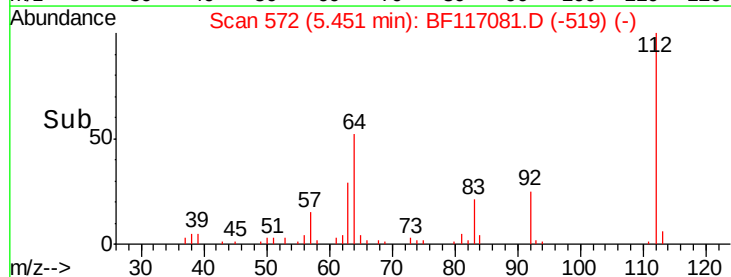
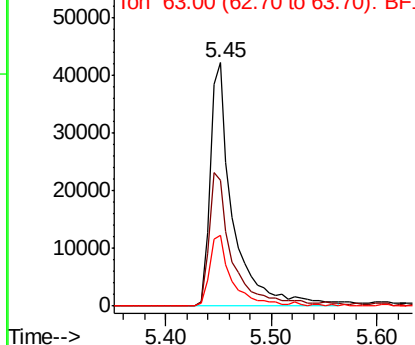
#5

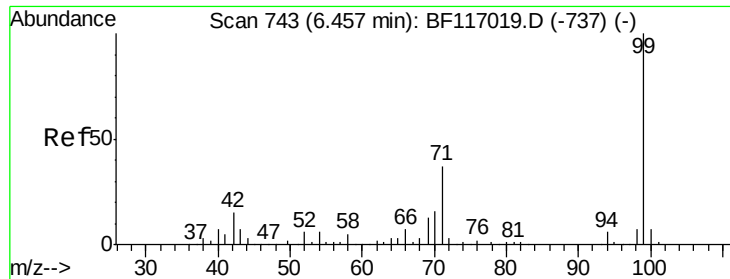
2-Fluorophenol
Concen: 17.729 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF117081.D
Acq: 17 Sep 2019 00:38

Tgt Ion:112 Resp: 63429
Ion Ratio Lower Upper
112 100
64 51.7 45.7 68.5
63 29.1 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 19.470 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117081.D

Acq: 17 Sep 2019 00:38

Instrument :

BNA_F

ClientSampleId :

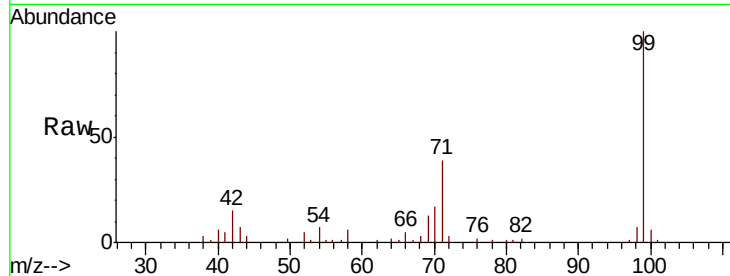
Tot Ion: 99 Resp: 90023

Ion Ratio Lower Upper

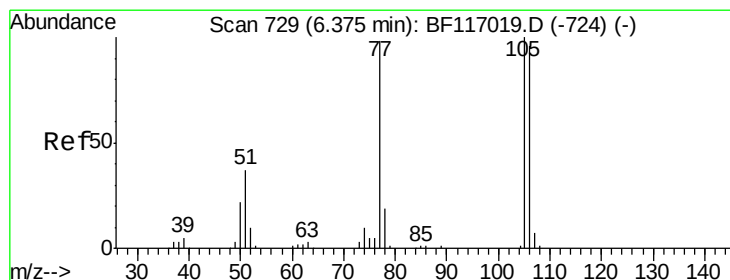
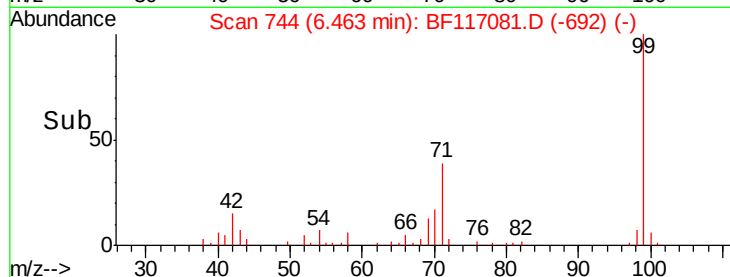
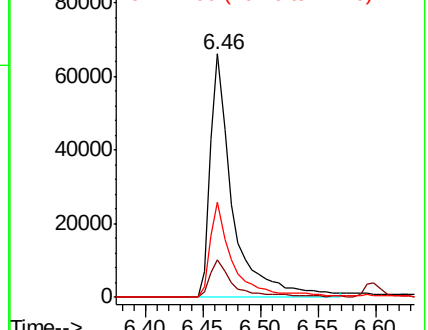
99 100

42 15.2 12.2 18.2

71 38.9 29.8 44.8



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: Below Cal

RT: 6.60 min Scan# 767

Delta R.T. 0.22 min

Lab File: BF117081.D

Acq: 17 Sep 2019 00:38

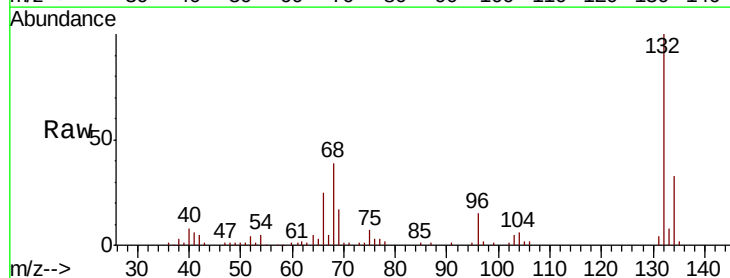
Tgt Ion: 77 Resp: 1585

Ion Ratio Lower Upper

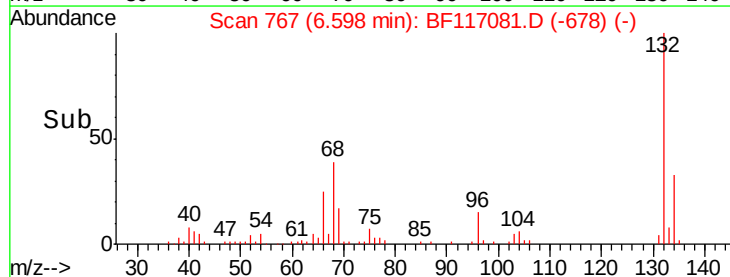
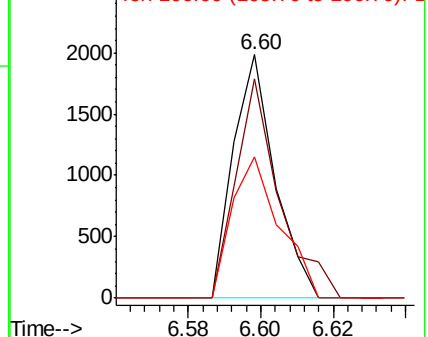
77 100

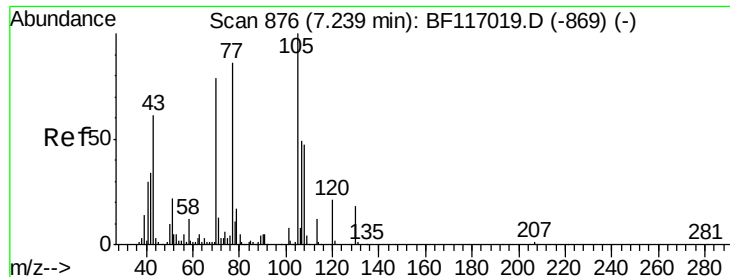
105 90.0 81.8 121.8

106 57.7 77.3 117.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

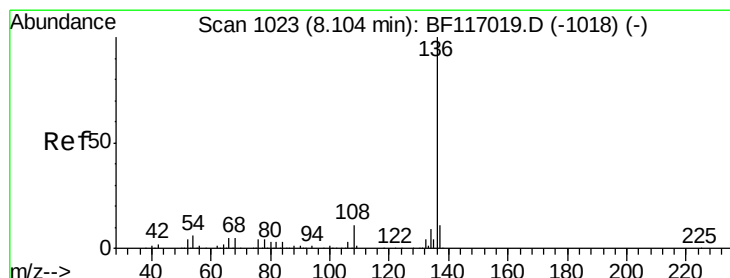
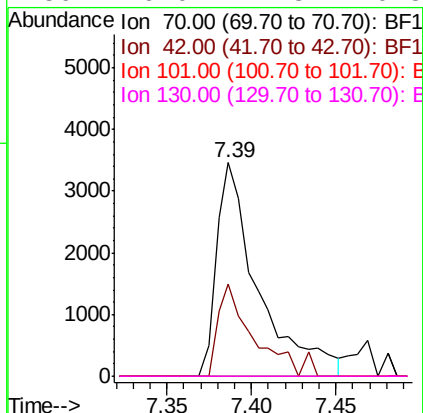
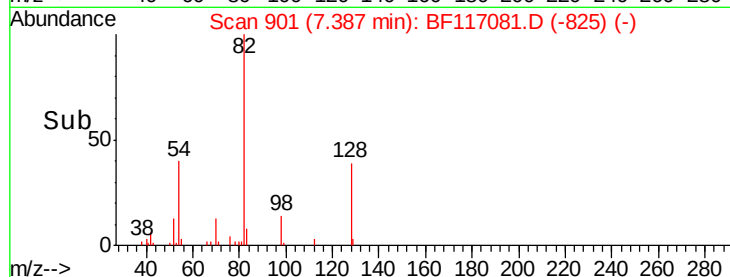
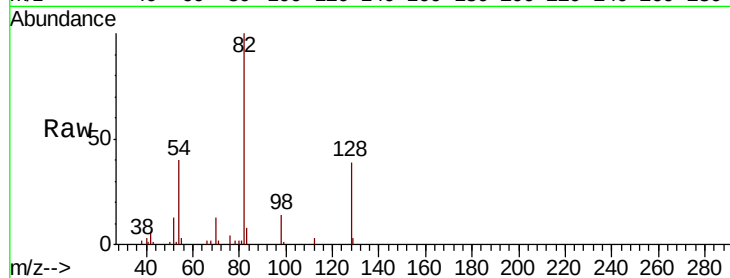




#19
n-Nitroso-di-n-propylamine
Concen: 2.105 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF117081.D
Acq: 17 Sep 2019 00:38

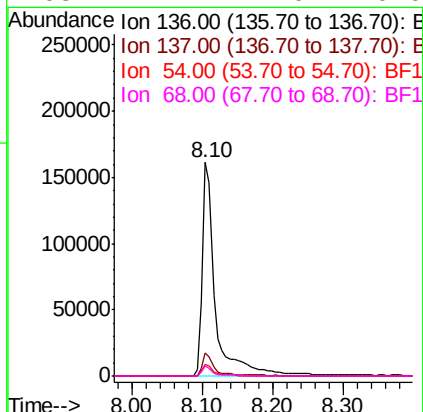
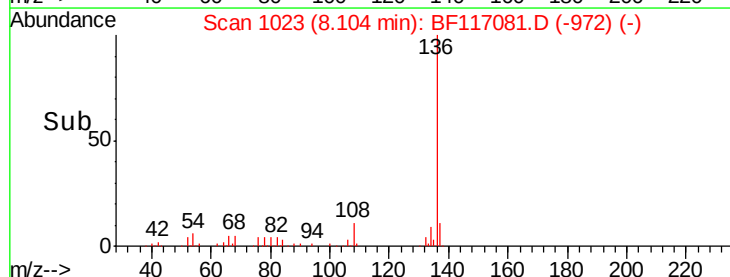
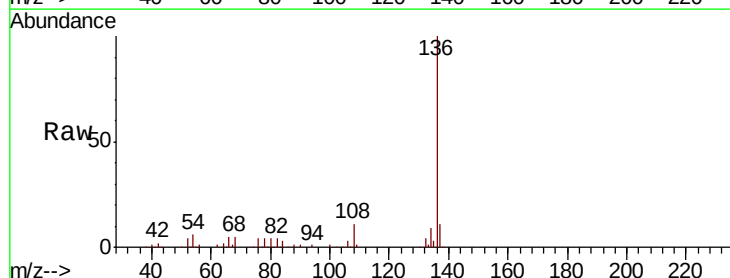
Instrument :
BNA_F
ClientSampled :

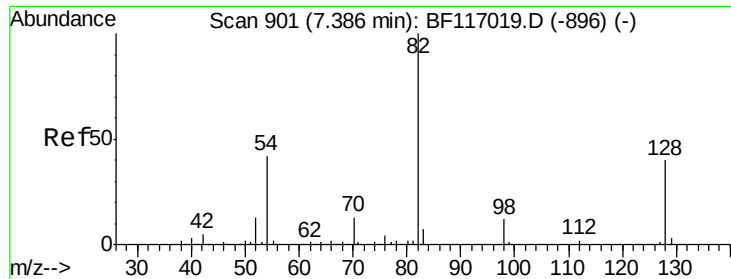
Tot Ion: 70 Resp: 5928
Ion Ratio Lower Upper
70 100
42 43.0 34.0 51.0
101 0.0 7.8 11.6#
130 0.0 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117081.D
Acq: 17 Sep 2019 00:38

Tgt Ion: 136 Resp: 212657
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 5.6 4.5 6.7
68 4.7 4.0 6.0

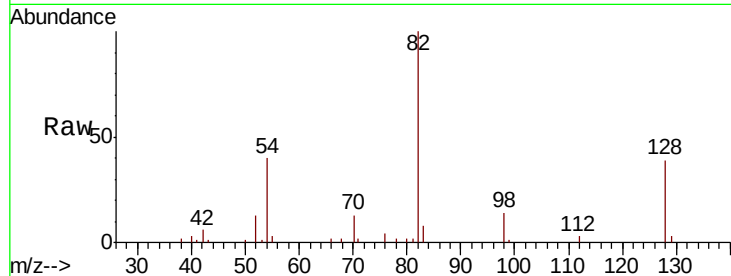




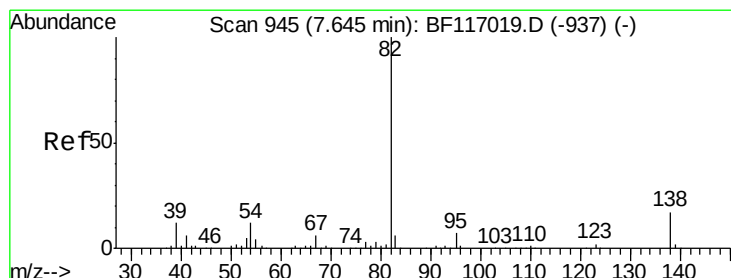
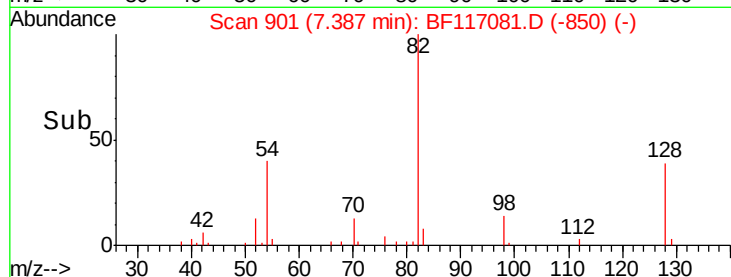
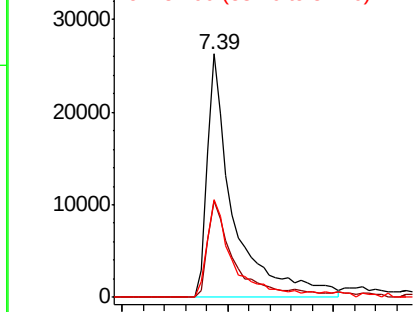
#23
Nitrobenzene-d5
Concen: 11.272 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.00 min
Lab File: BF117081.D
Acq: 17 Sep 2019 00:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	45623
Ion Ratio	Lower	Upper	
82	100		
128	39.4	32.3	48.5
54	40.3	33.3	49.9

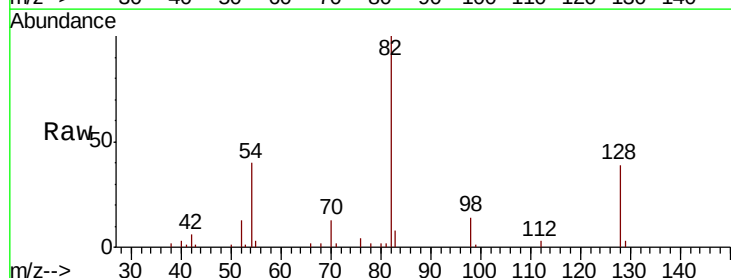


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

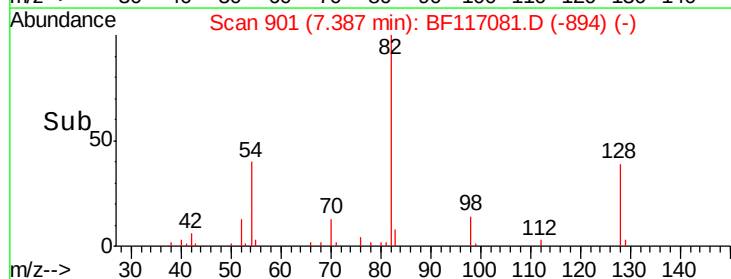
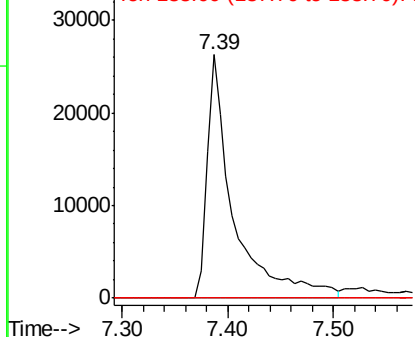


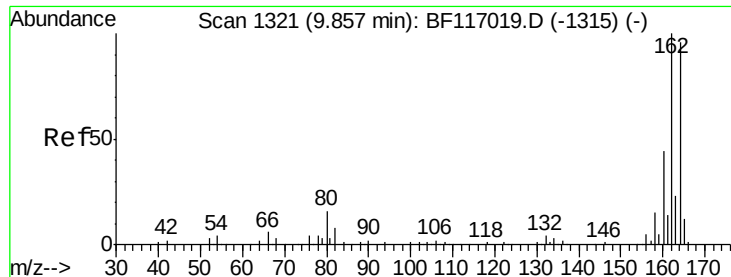
#25
Isophorone
Concen: 6.366 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.26 min
Lab File: BF117081.D
Acq: 17 Sep 2019 00:38

Tgt Ion	82	Resp	45623
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

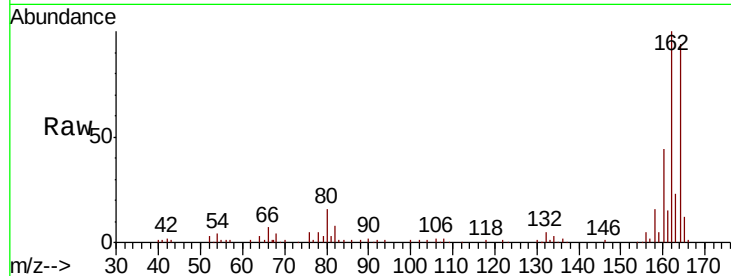




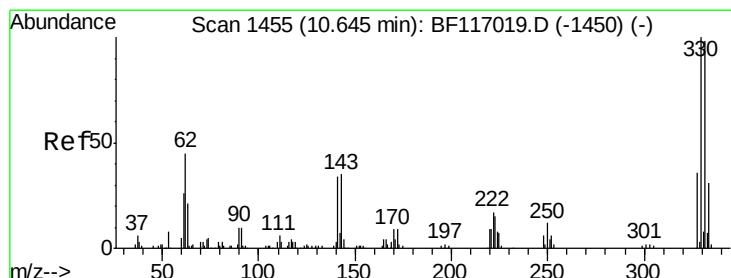
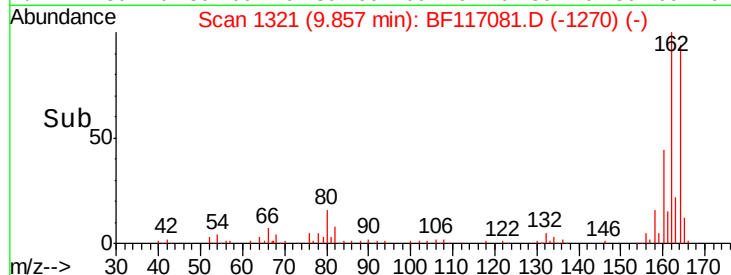
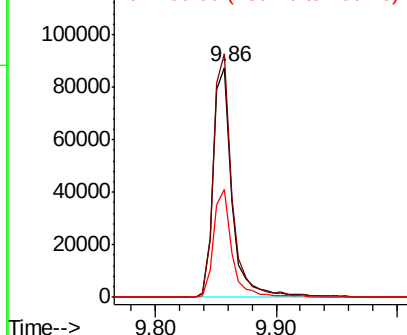
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1321
Delta R.T. 0.00 min
Lab File: BF117081.D
Acq: 17 Sep 2019 00:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 93727
Ion Ratio Lower Upper
164 100
162 105.8 83.4 125.2
160 46.7 36.4 54.6

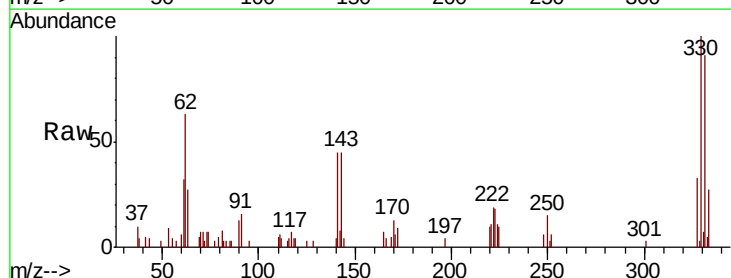


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

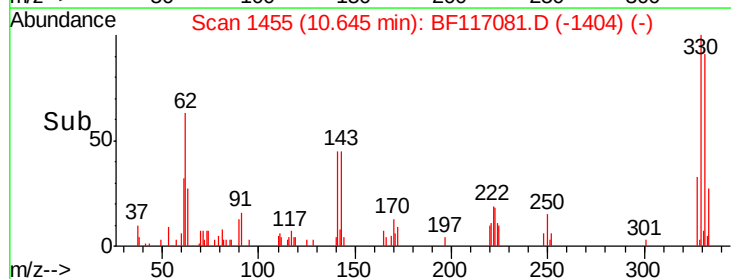
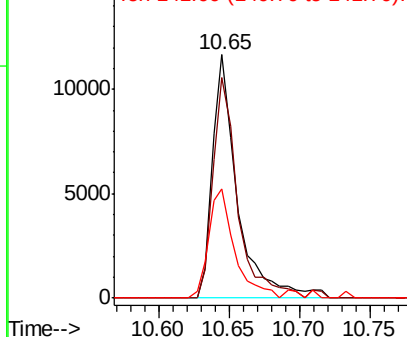


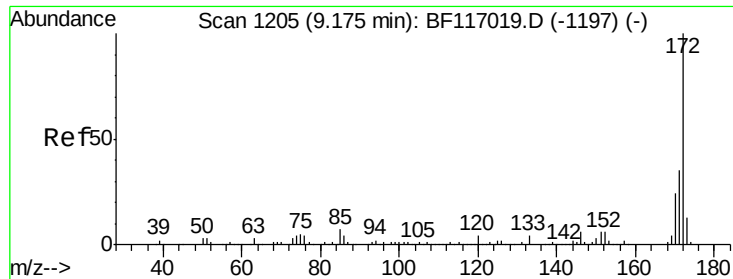
#42
2,4,6-Tribromophenol
Concen: 18.365 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.00 min
Lab File: BF117081.D
Acq: 17 Sep 2019 00:38

Tgt Ion:330 Resp: 14386
Ion Ratio Lower Upper
330 100
332 89.5 78.0 117.0
141 46.1 35.8 53.6



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

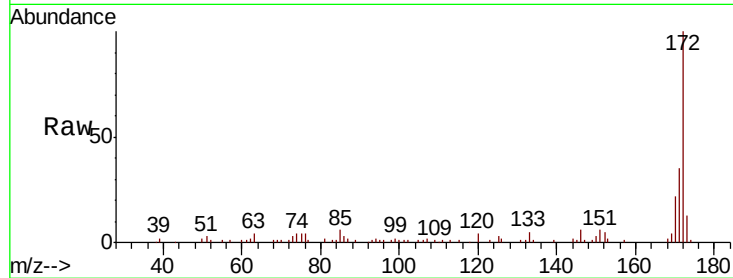




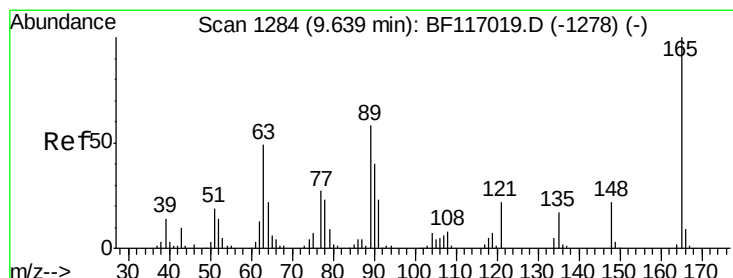
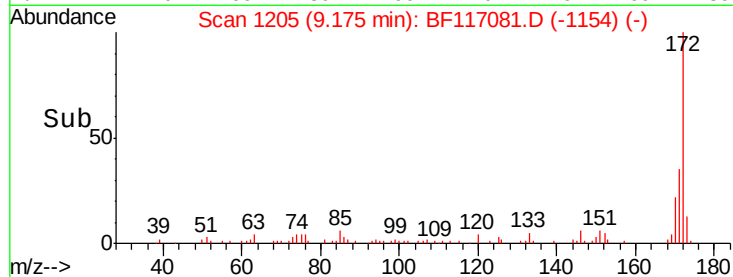
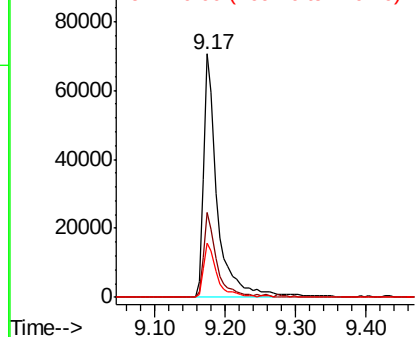
#45
 2-Fluorobiphenyl
 Concen: 16.285 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF117081.D
 Acq: 17 Sep 2019 00:38

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.2
170	22.4	18.9	28.3

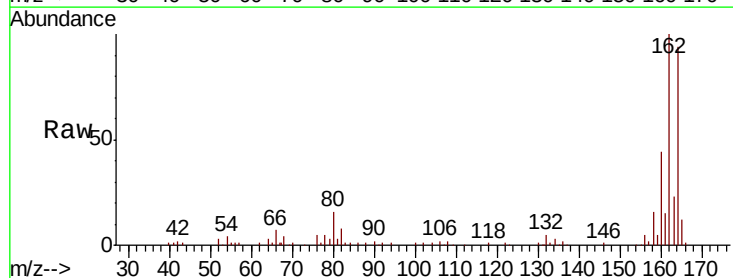


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

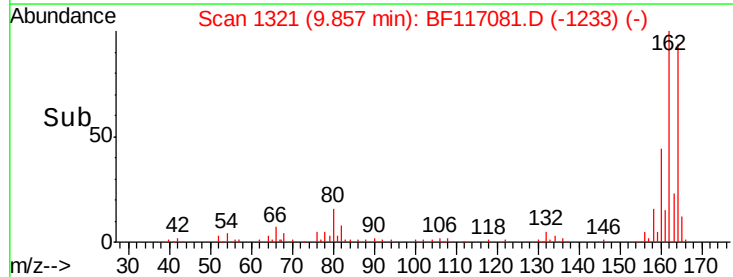
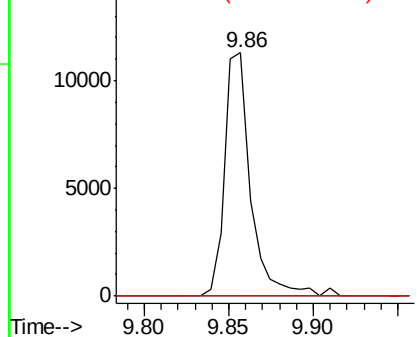


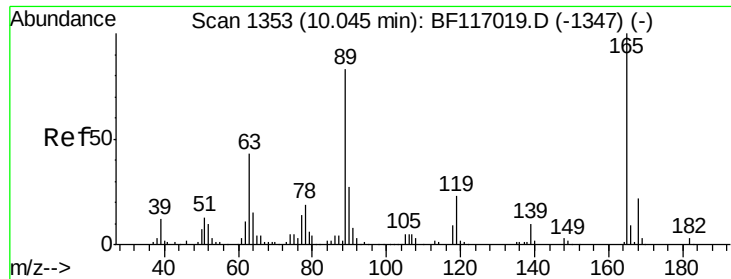
#51
 2,6-Dinitrotoluene
 Concen: 8.998 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. 0.22 min
 Lab File: BF117081.D
 Acq: 17 Sep 2019 00:38

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.8	62.8#
89	0.0	46.5	69.7#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1





#57

2,4-Dinitrotoluene

Concen: 6.932 ng

RT: 9.86 min Scan# 1321

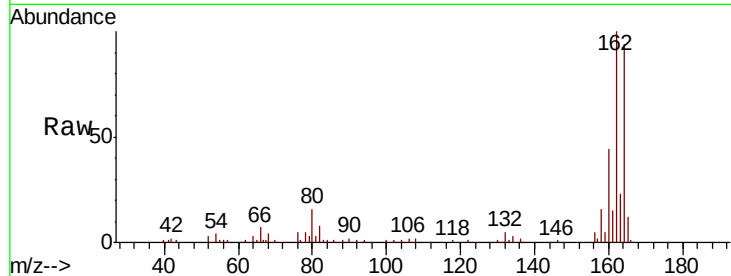
Delta R.T. -0.19 min

Lab File: BF117081.D

Acq: 17 Sep 2019 00:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	165	Resp:	12162
Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	0.0	66.1	99.1#
182	0.0	2.0	3.0#

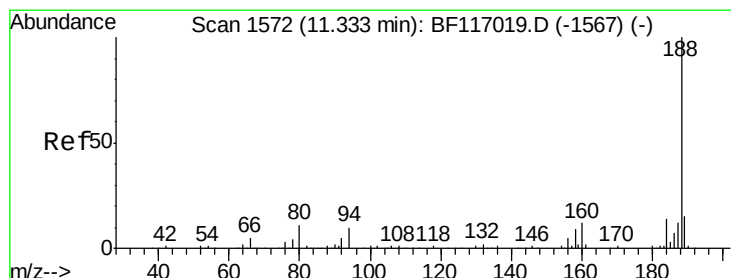
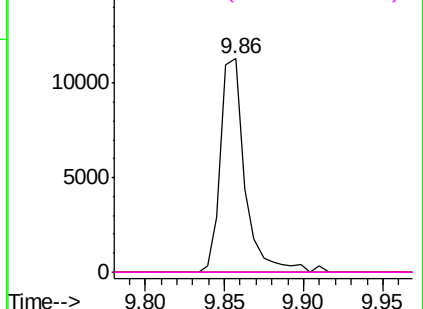
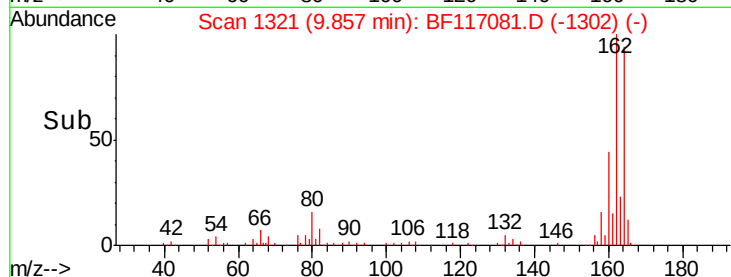


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

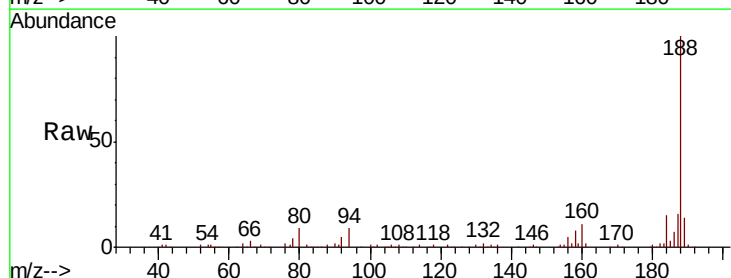
RT: 11.34 min Scan# 1573

Delta R.T. 0.01 min

Lab File: BF117081.D

Acq: 17 Sep 2019 00:38

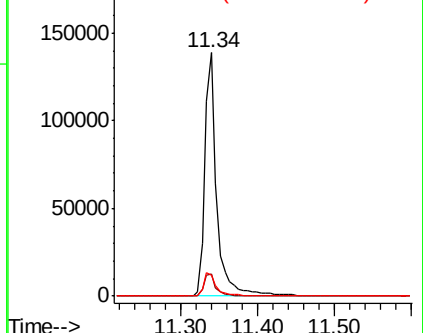
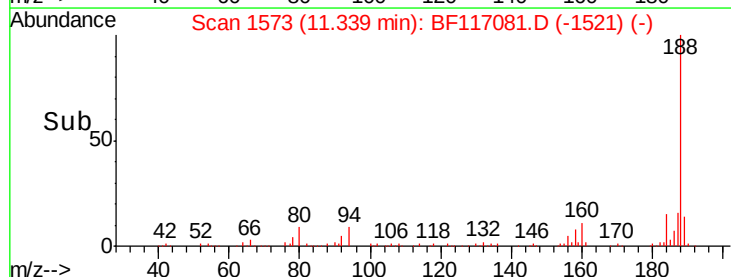
Tgt Ion:	188	Resp:	150348
Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.2	12.2
80	8.7	9.0	13.6#

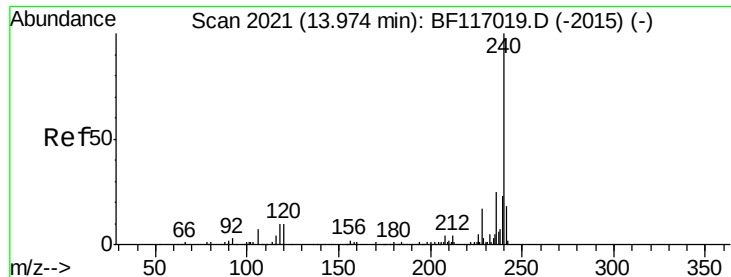


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BF117081.D

Acq: 17 Sep 2019 00:38

Instrument :

BNA_F

ClientSampleId :

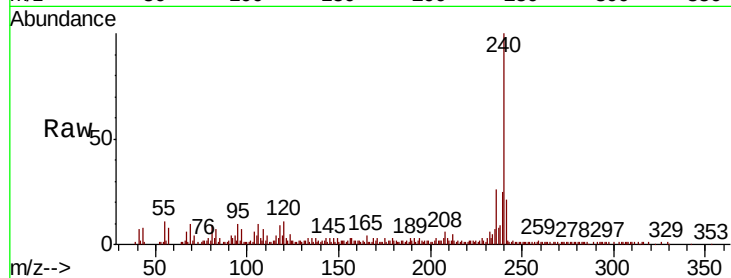
Tot Ion:240 Resp: 71844

Ion Ratio Lower Upper

240 100

120 11.2 8.3 12.5

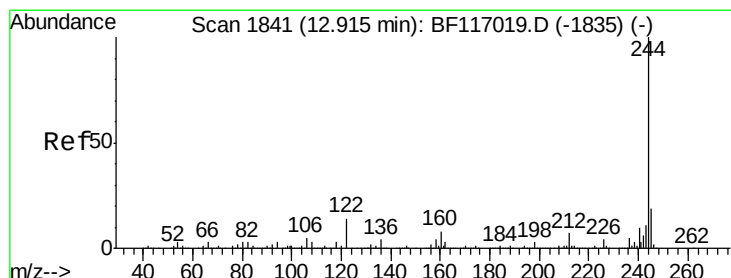
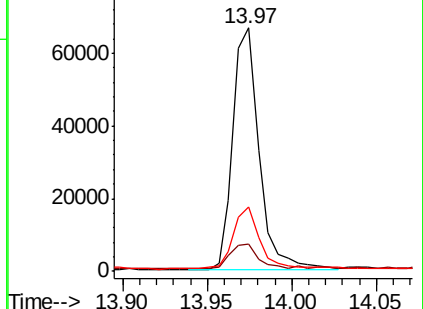
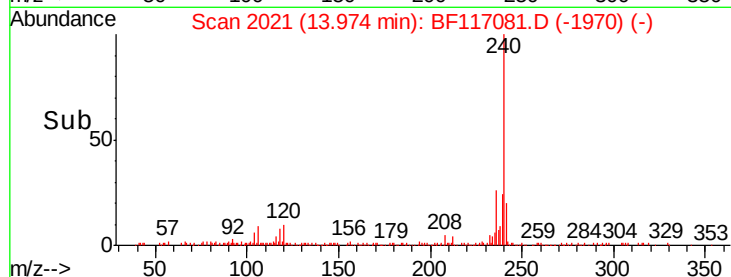
236 26.3 20.3 30.5



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#79

Terphenyl-d14

Concen: 21.372 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BF117081.D

Acq: 17 Sep 2019 00:38

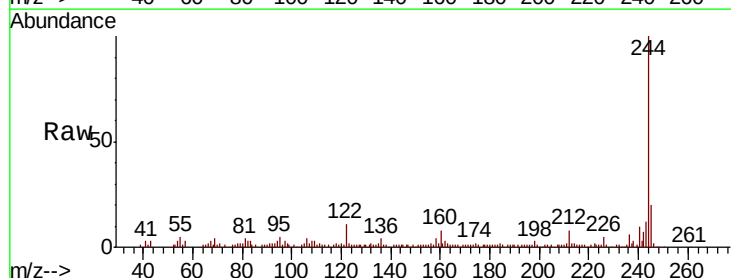
Tgt Ion:244 Resp: 82144

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

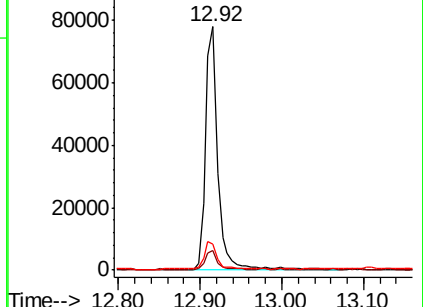
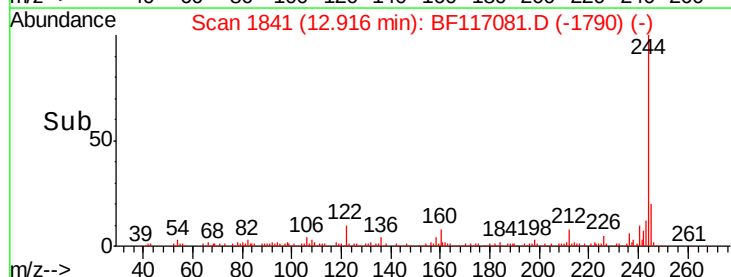
122 10.5 11.3 16.9#

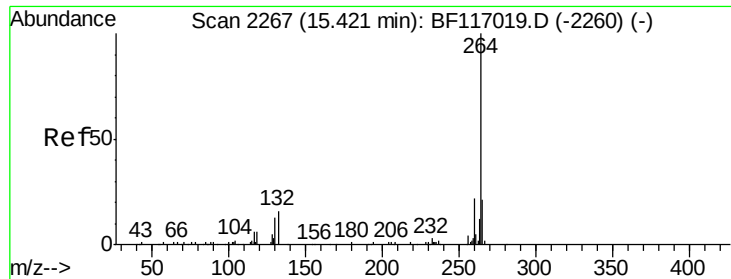


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

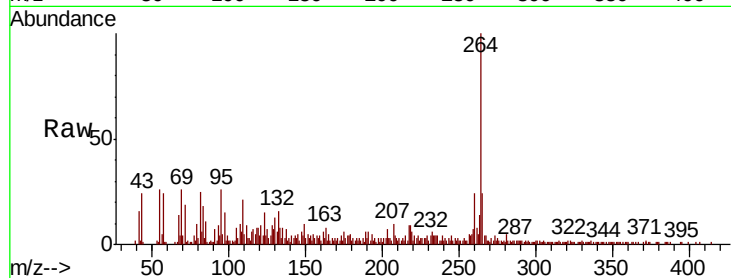




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. 0.01 min
 Lab File: BF117081.D
 Acq: 17 Sep 2019 00:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.6	26.4
265	23.7	16.6	24.8



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

